

Docket No.: 042390.P5965

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hacking, et al.

Examiner: Denise Tran

Application No.: 09/122,349

Art Group: 2186

Filed: July 24, 1998

For: Method and Apparatus for Performing  
Cache Segment Flush and Cache  
Segment Invalidations OperationsAMENDMENTAssistant Commissioner for Patents  
Washington, DC 20231-9998

Sir:

Please amend the above-identified Application as follows:

IN THE CLAIMS

Following is a complete set of claims as amended with this Response. This complete set of claims excludes cancelled claims 3 and 13-37 and includes new claims 42-64.

1. (Amended) A computer system comprising:  
a cache memory having a plurality of cache lines each of which stores data;  
a storage area to store a data operand; and  
an execution unit coupled to said storage area to operate on data elements in said data  
operand containing a portion of a starting address to invalidate data in a predetermined portion of  
the plurality of cache lines in response to receiving a single instruction of a processor instruction  
set.
- 1       2. The computer system of Claim 1, wherein the data operand is a register location.

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WWS/crr  
Filed: 7/24/98



# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27.TOTAL AMOUNT OF PAYMENT (\$)  
**0.00**

## Complete if Known

|                      |               |
|----------------------|---------------|
| Application Number   | 09/122,349    |
| Filing Date          | July 24, 1998 |
| First Named Inventor | Lance Hacking |
| Examiner Name        | Tran, D.      |
| Group/Art Unit       | 2186          |
| Attorney Docket No.  | 42390P5965    |

## METHOD OF PAYMENT (check one)

 Check     Credit card     Money Order     Other     None  
 Deposit Account
Deposit Account Number **02-2666**Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

The Commissioner is authorized to: (check all that apply)

- 
- Charge fee(s) indicated below
- 
- Credit any overpayments
- 
- 
- Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
- 
- 
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code     | Fee (\$)     | Fee Code        | Fee (\$) |
| 1001         | 750          | 2001            | 375      |
| 1002         | 330          | 2002            | 165      |
| 1003         | 620          | 2003            | 280      |
| 1004         | 750          | 2004            | 375      |
| 1005         | 160          | 2005            | 80       |
| SUBTOTAL (1) |              | (\$)            |          |

## 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 39                 | 40*          | 0              | \$0.00   |
| Independent Claims | 9            | g* = 0         | = \$0.00 |
| Multiple Dependent |              |                |          |

| Large Entity | Small Entity | Fee Description     |     |
|--------------|--------------|---------------------|-----|
| Fee Code     | Fee (\$)     | Fee Code            |     |
| 1202         | 18           | 2202                | 9   |
| 1201         | 84           | 2201                | 42  |
| 1203         | 280          | 2203                | 140 |
| 1204         | 84           | 2204                | 42  |
| 1205         | 18           | 2205                | 9   |
| SUBTOTAL (2) |              | (\$)<br><b>0.00</b> |     |

\*or number previously paid, if greater. For Reissues, see below

## 3. ADDITIONAL FEES

| Large Entity        | Small Entity | Fee Description | Fee Paid  |
|---------------------|--------------|-----------------|---|
| Fee Code            | Fee (\$)     | Fee Code (\$)   |   |
| 1051                | 130          | 2051            | 65 Surcharge - late filing fee or oath  |
| 1052                | 50           | 2052            | 25 Surcharge - late provisional filing fee or cover sheet                     |
| 2063                | 130          | 2053            | 130 Non-English specification   |
| 1812                | 2,520        | 1812            | 2,520 For filing a request for ex parte reexamination                         |
| 1804                | 920*         | 1804            | 920* Requesting publication of SIR prior to Examiner action                   |
| 1805                | 1,840*       | 1805            | 1,840* Requesting publication of SIR after Examiner action                    |
| 1251                | 110          | 2251            | 55 Extension for reply within first month                                     |
| 1252                | 410          | 2252            | 205 Extension for reply within second month                                   |
| 1253                | 930          | 2253            | 485 Extension for reply within third month                                    |
| 1254                | 1,450        | 2254            | 725 Extension for reply within fourth month                                   |
| 1255                | 1,970        | 2255            | 985 Extension for reply within fifth month                                    |
| 1404                | 320          | 2401            | 160 Notice of Appeal  |
| 1402                | 320          | 2402            | 160 Filing a brief in support of an appeal                                    |
| 1403                | 280          | 2403            | 140 Request for oral hearing  |
| 1451                | 1,510        | 2451            | 1,510 Petition to institute a public use proceeding                           |
| 1452                | 110          | 2452            | 55 Petition to revive - unavoidable   |
| 1453                | 1,300        | 2453            | 650 Petition to revive - unintentional  |
| 1501                | 1,300        | 2501            | 650 Utility issue fee (or reissue)  |
| 1502                | 470          | 2502            | 235 Design issue fee  |
| 1503                | 630          | 2503            | 315 Plant issue fee   |
| 1460                | 130          | 2460            | 130 Petitions to the Commissioner   |
| 1807                | 50           | 1807            | 50 Processing fee under 37 CFR 1.17(q)  |
| 1806                | 180          | 1806            | 180 Submission of Information Disclosure Stmt                                 |
| 8021                | 40           | 8021            | 40 Recording each patent assignment per property (times number of properties) |
| 1809                | 750          | 1809            | 375 Filing a submission after final rejection (37 CFR § 1.129(a))             |
| 1810                | 750          | 2810            | 375 For each additional invention to be examined (37 CFR § 1.129(b))          |
| 1801                | 750          | 2801            | 375 Request for Continued Examination (RCE)                                   |
| 1802                | 900          | 1802            | 900 Request for expedited examination of a design application                 |
| Other fee (specify) |              |                 |   |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

## SUBMITTED BY

Complete if applicable

|                   |                   |                                   |        |           |                |
|-------------------|-------------------|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | William W. Schaal | Registration No. (Attorney/Agent) | 39,018 | Telephone | (714) 557-3800 |
| Signature         |                   |                                   |        | Date      | 01/31/03       |

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.